

STATEMENT OF BASIS

Atlas Castings and Technology Permit Modification Permit NO. WA0022918

The purpose of this statement of basis is to explain the need to modify the wastewater discharge permit and provide the basis for the change.

I. GENERAL INFORMATION

Permittee: Atlas Castings and Technology
3021 South Wilkeson Street
Tacoma, WA 98409

Facility: Atlas Castings and Technology
3021 South Wilkeson Street
Tacoma, WA 98409

Discharge Location: Latitude: 47° 14' 01" N
Longitude: 122° 27' 37" W

II. MODIFICATION

It has come to the Department of Ecology's (Department) attention that this facility has encountered some problems with acidic rainfall onto their site. There is evidence that the rainfall's pH falling onto the site can be as low as 5.2 s.u. on average (based on information collected by National Atmospheric Deposition Program/National Trends Network, <http://nadp.sws.uiuc.edu>). After the stormwater goes through the facility's stormwater and treatment system the pH of the stormwater has never been found to drop below 6.0 s.u. before discharge into the facility's infiltration basin. A review of pH data in the groundwater upgradient of the Permittee's infiltration basin shows an average pH concentration of 5.8 s.u. It is not the intent of this permit to treat indigenous acidic rainfall which is common in portions of heavily developed areas in Washington. The original permit limit range for pH was 6.5 to 9 s.u. This modification proposes to change the pH limit range to 6.0 to 9.0 s.u. The Department does not believe that this relaxation of the facility's pH limitation will adversely affect the groundwater below the infiltration basin.